

RESOLUTION NO. 89-11

A RESOLUTION OF THE LODI CITY COUNCIL  
APPROVING THE REVISION OF THE CLASS SPECIFICATIONS  
FOR PLANT AND EQUIPMENT MECHANIC

RESOLVED, that the City Council of the City of Lodi does hereby approve the revision of class specifications for Plant and Equipment Mechanic, as shown on Exhibit A attached hereto and thereby made a part hereof.

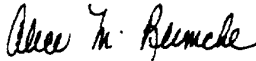
Dated: February 1, 1989

I hereby certify that Resolution No. 89-11 was passed and adopted by the City Council of the City of Lodi in a regular meeting held February 1, 1989 by the following vote:

Ayes: Council Members - Hinchman, Olson, Reid, Snider and  
Pinkerton (Mayor)

Noes: Council Members - None

Absent: Council Members - None

  
Alice M. Reimche  
City Clerk

February 1, 1989

## PLANT AND EQUIPMENT MECHANIC

### DEFINITION:

Performs skilled mechanical and maintenance work on wells, pumps, motors, and related equipment for the water system, storm drain, wastewater pumping stations and treatment plant; responds to customer water and wastewater service calls and operational emergencies; performs specialized systems maintenance tasks as assigned.

### DISTINGUISHING CHARACTERISTICS:

This is a journey level class in the Water/Wastewater Division of the Public Works Department, performing preventative maintenance and technical mechanical work. Positions in this class work independently at the wastewater treatment plant and on city-wide water distribution and wastewater collection systems. It is distinguished from the Water/Wastewater Maintenance Worker III class in that it performs primarily mechanical functions, works independently, and does not lead a field crew.

### SUPERVISION RECEIVED AND EXERCISED:

Receives general supervision from the Water/Wastewater Supervisor or the Wastewater Treatment Supervisor.

### EXAMPLES OF DUTIES:

Duties may include, but are not limited to, the following:

Inspects, operates, diagnoses, and repairs wells, wastewater pumps, storm pumps, valves, and wastewater plant equipment. Performs regularly scheduled preventative maintenance work.

Responds to customer complaints regarding conservation, water and wastewater services.

Inspects, operates, diagnoses and repairs chlorinator and sulphur dioxide equipment, hydraulic units, boilers, heat exchangers and other stationary equipment.

Repairs water meters and other water and wastewater services.

Electronically traces customer services lines.

Coordinates repair work with electricians and/or contractors.

Records electrical and flow reading data from water, wastewater, and storm pumps.

Measures and records water and well soundings.

Maps and records locations of water valves, water lines and fire hydrants.

Maintains logs of repair on mechanical equipment.

Coordinates maintenance and repair work of emergency generators with other city personnel.

Maintains supply of sampling equipment for chlorine and bacteria tests. Takes samples of water and tests for chlorine content.

Uses and maintains a variety of hand, power, and shop tools and equipment.

Assists street, water and wastewater crews in emergencies when needed.

Provides direction to assisting staff; instructs them in proper work procedures and safety precautions.

Operates, loads and unloads chlorine cylinders, using stationary crane or by hand.

Maintains storage ponds by spraying and discing.

Reads gauges and meters to ensure the proper operations of water and wastewater systems.

Operates tractor-loader to clean sludge lagoons.

Cleans and maintains landscaped areas, roadways, and general grounds at White Slough, wells, storm and wastewater pump stations.

Cleans and maintains anaerobic digesters including gas compressors and related equipment.

Maintains tools, equipment and work area in a clean, safe condition.

Performs other related duties as required.

#### QUALIFICATIONS:

##### Knowledge of:

Mechanics of water, wastewater and storm systems and pumps, hydraulic units, boilers, collection units, displacement blowers, gas compressors, anaerobic digester, emergency generators, and other related equipment.

Principles of plumbing.

Methods, materials and equipment used in maintenance of water, wastewater systems and wastewater facilities.

Rigging principles and techniques.

Basic mathematics.

Maintenance of storage ponds and sludge lagoons.

Proper loading and unloading of chlorine cylinders.

Safe work practices in the water and wastewater industry.

Use and maintenance of a variety of tools and equipment used in water, wastewater and treatment systems.

Skill To:

Operate and perform maintenance work on water and wastewater system equipment.

Diagnose and repair mechanical problems in water and wastewater systems.

Work independently.

Communicate clearly and concisely.

Maintain accurate records.

Understand and follow oral instructions.

Read and interpret manuals, construction plans, and specifications.

Establish and maintain cooperative work relationships with city employees, vendors, and the general public.

Experience and Education:

Any combination of experience and education that would likely produce the qualifying knowledge and ability. A typical combination is:

Experience:

Three years of experience working with water or wastewater systems.

Education:

Equivalent to the completion of the twelfth grade.

LICENSE:

Ability to obtain a valid drivers license from the State of California Department of Motor Vehicles (Class 1).